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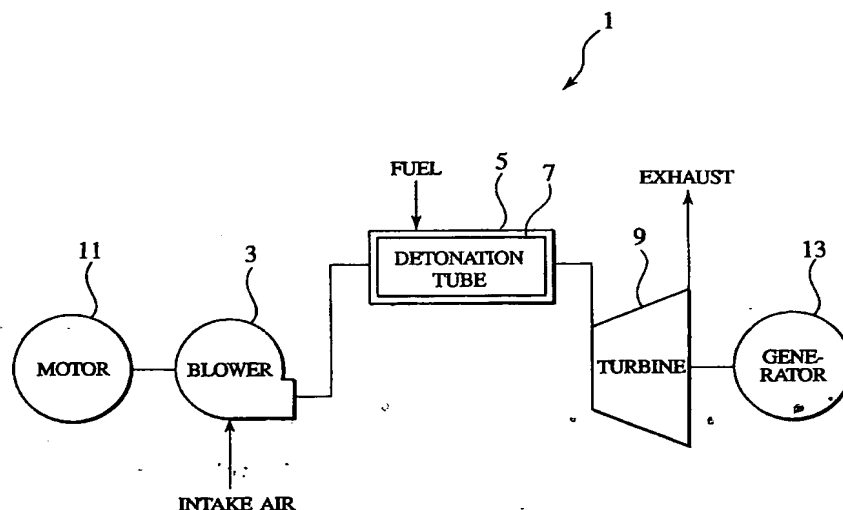
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[Continued on next page]

(54) Title: PULSE DETONATION ENGINE SYSTEM FOR DRIVING TURBINE



(57) Abstract: A pulse detonation engine system (1) for driving a turbine is comprises a detonation generator section (5) including a detonation tube (7) having a tubular hollow section for permitting detonation to be generated therein during combustion stage of a mixture gas combined with a gas and a fuel, a gas supply section (17) for feeding the gas into the tubular hollow section of the detonation tube (7) at given time intervals, a fuel valve (19) for feeding the fuel into the tubular hollow section of the detonation tube (7) at the given time intervals, and an ignition plug (15) for igniting the mixture gas in the tubular hollow section of the detonation tube (7), and a pulse detonation driven turbine (9) driven directly or indirectly by energy of detonations that are intermittently generated in the tubular hollow section of the detonation tube (7).



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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 6 167 693 B1 (ANDERSON J HILBERT) 2 January 2001 (2001-01-02)</p> <p>figures 5,14,16 column 5, line 29 -column 7, line 18 column 8, line 23 -column 9, line 36 column 10, line 47 -column 11, line 19 column 22, line 28 - line 48 column 25, line 52 -column 26, line 55 --- -/--</p>	<p>1-3,11, 12, 14-16, 23,24</p>

☒ Further documents are listed in the continuation of box C.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 062 018 A (BUSSING THOMAS R A) 16 May 2000 (2000-05-16) abstract; figures 1,6,7,15 column 2, line 30 - line 41 column 3, line 64 -column 4, line 11 column 9, line 15 - line 45 column 10, line 53 -column 11, line 47 column 14, line 32 -column 15, line 19 -----	1-3,12, 14-16,24
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